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# The IEEE Standard Dictionary of Electrical and Electronics Terms

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cape ratio is unity. *See also:* charge-storage tube. (ED) 158-1962w

**storage-element equilibrium voltage, second-crossover (storage tubes)** The storage-element equilibrium voltage at the second-crossover voltage. *See also:* charge-storage tube. (ED) 158-1962w

**storage error** An error in which the data retrieved from storage is different from that which was originally stored in that location. *See also:* hard error; soft error; transient error. (C) 610.10-1994

**storageid (microprocessor operating systems parameter types)** An identifier for a block of data. The identifier is not guaranteed to be valid outside the allocating process and should not be passed between processes. (C/MM) 855-1985s

**storage integrator** In an analog computer, a device used to store a voltage in the hold condition for future use. *See also:* electronic analog computer. (C) 165-1977w, 610.10-1994

**storage life (accelerometer) (gyros) (inertial sensors)** The nonoperating time interval under specified conditions, after which a device will still exhibit a specified operating life and performance. *See also:* operating life. (AE) 528-1994

**storage light** A light found on a storage device indicating that a parity check error has occurred on a character as it was read into storage. (C) 610.10-1994

**storage light-amplifier** *See:* image-storage panel.

**storage location (1)** An area in a storage device that can be explicitly and uniquely specified by means of an address. (C) 610.5-1990

**(2)** A location in a storage device that is uniquely specified by means of an address. (C) 610.10-1994

**storage medium** Any device or recording medium into which data can be stored and held until some later time, and from which the entire original data can be obtained. (IA) [61]

**storage protection (computers)** An arrangement for preventing access to storage for either reading or writing, or both. (C) [20]

**storage, reservoir (electric power system)** The volume of water in a reservoir at a given time. (PE) 346-1973w

**storage schema** In a CODASYL database, statements expressed in data storage definition language that describe storage areas, stored records, and any associated indices and access paths supporting the records and sets defined by a given schema. *See also:* CODASYL database. (C) 610.5-1990

**storage stack** *See:* stack.

**storage station (power operations)** A hydroelectric generating station associated with a water storage reservoir. (PE) 858-1987s

**storage structure (A)** The manner in which data structures are represented in storage. **(B)** The configuration of a database resident on computer storage devices after mapping the data elements of the logical structure of the database onto their respective physical counterparts. *Note:* The relationships and associations that provide the physical means for accessing the information stored in the database are preserved. (C) 610.5-1990

**storage surface (storage tubes)** The surface upon which information is stored. *See also:* storage tube. (ED) 158-1962w

**storage temperature (1) (power supply)** The range of environmental temperatures in which a power supply can be safely stored (for example, −40°C to +85°C). (AE/IA) [12], [41]

**(2) (light-emitting diodes)** The temperature at which the device, without any power applied, is stored. (ED) [127]

**storage temperature range** The range of temperatures over which the Hall generators may be stored without any voltage applied, or without exceeding a specified change in performance. (MAG) 296-1969w

**storage time** *See:* retention time, maximum; decay time.

**storage tube** An electron tube into which information can be introduced and read at a later time. *Note:* The output may be an electric signal and.or a visible image corresponding to the stored information. (ED) 158-1962w, 161-1971w

**storage tube display device** A type of cathode ray tube display device that retains a display image on its surface in the form of a pattern of electric charges. *Synonyms:* direct-view storage tube; display storage tube; storage display. *Contrast:* refresh display device. (C) 610.10-1994

**storage unit** The length of an addressable element of storage in the machine, measured in bits. (Every storage element has the same size.) *Note:* The storage unit is very likely to be one byte, but this is not a requirement. For example, it might be 32 or 64 bits. (C/PA) 1003.5b-1995

**store (1) (A)** A device into which data can be placed, in which they can be retained, and from which they can be retrieved. *Note:* This term is the equivalent of the term storage in British (U.K.) usage. **(B)** To place data into a device as in definition (A). **(C)** To retain data in a device as in definition (A). (C) 162-1963w, 610.10-1994

**(2) (A)** To place or retain data in a storage device. **(B) (data management) (software)** To copy computer instructions or data from a register to internal storage or from internal storage to external storage. *Contrast:* load; retrieve. *See also:* fetch; move. (C) 610.12-1990, 610.5-1990

**store-and-forward** Pertaining to communications where a message is received completely before beginning transmission onto the next node. (C) 610.7-1995

**store-and-forward buffer** A first-in-first-out (FIFO) buffer in the network repeater that can provide temporary storage for an entire message packet prior to retransmission. The buffer acts as a shift register and must hold an entire, full-length packet. *See also:* elasticity buffer. (C/LM) 802.12-1995

**store-and-forward switched network** A switched network in which the store-and-forward principle is used to handle transmissions between the sender and the recipient. (C) 610.7-1995

**store-and-forward switching** A method of switching whereby messages are transferred directly or with interim storage, each in accordance with its own address. *See also:* packet switching. (COM/LM) 168-1956w

**store-and-forward switching system (telephone switching systems)** A switching system for the transfer of messages, each with its own address or addresses, in which the message can be stored for subsequent transmission. (COM) 312-1977w

**stored-energy indicator** An indicator that visibly shows that the stored-energy mechanism is in the charged or discharged position. (PE/SWG) C37.100-1992

**stored-energy operation** Operation by means of energy stored in the mechanism itself prior to the completion of the operation and sufficient to complete it under predetermined conditions. *Note:* This kind of operation may be subdivided according to: (1) how the energy is stored (spring, weight, etc.), (2) how the energy originates (manual, electric, etc.), and (3) how the energy is released (manual, electric, etc.). (PE/SWG) C37.100-1992

**stored logic (telephone switching systems)** Instructions in memory arranged to direct the performance of predetermined functions in response to readout. (COM) 312-1977w

**stored paragraph** *See:* boilerplate text.

**stored program (telephone switching systems)** A program in memory that a processor can execute. (COM) 312-1977w

**stored-program computer (1)** A digital computer that, under control of internally stored instructions, can synthesize, alter, and store instructions as though they were data and can subsequently execute these new instructions. (C) [20], [85]

**(2)** A computer that is controlled by internally stored instructions that are treated as though they were data, and that can subsequently be executed. (C) 610.10-1994

**stored program control (telephone switching systems)** A system control using stored logic. (COM) 312-1977w

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